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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/942,183	08/29/2001	David J. Corisis	4813US (01-0104)	6985

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EXAMINER

GREENE, PERSHELLE L

ART UNIT	PAPER NUMBER
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2826

DATE MAILED: 02/20/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/942,183

Applicant(s)

CORISIS ET AL.

Examiner

Pershelle Greene

Art Unit

2826

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04 November 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 10-21, 23-37 and 59-119 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 10-21, 23, 24 and 84-119 is/are allowed.
- 6) ☒ Claim(s) 25-28, 31, 59, 68, 69, 74, 80 and 81 is/are rejected.
- 7) ☒ Claim(s) 29-30, 32-37, 60-67, 70-73, 75-79, 82 and 83 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
- a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 11/4/03.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

Art Unit: 2826

Serial Number: 09/942183

Attorney's Docket #: 2269-4813US

Filing Date: 08/29/2001

Applicant: Corisis et al.

Examiner: Pershelle Greene

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 25-28, 31, 59, 68-69, 74 and 80-81 are being rejected under 35 U.S.C. 102(e) as being anticipated by Kusner et al (U.S. Patent # 6,284,982).

As to claim 25, Kusner shows, referring to figure 3, a substrate 20 carrying at least one terminal and at least one conductive trace. There is a polymeric film 12 separate from the substrate, positioned at least partially over the substrate and carrying at least one additional conductive trace 96. Refer to column 5 and figure 3.

As to claim 26, the substrate comprises at most four conductive layers.

As to claim 27, the polymeric film is at least partially adhered to the substrate.

As to claim 28, the one additional conductive trace at least partially establishes communication between the at least one terminal and another terminal carried upon the substrate.

As to claim 31, at least one additional conductive trace carried upon the polymeric film is configured to at least partially establish communication between at least one terminal and a corresponding bond pad of at least one semiconductor device.

As to claim 59 and 74, referring to figure 3, there is a substrate carrying a first plurality of conductive traces. There is a routing element 12 separate from the substrate and carrying a second plurality of conductive traces positioned at least partially on the substrate. There is a device secured to the substrate.

As to claim 68, the substrate comprises at most four conductive layers.

As to claim 69, the second plurality of conductive traces of the routing element provides a more direct electrical route than any conductive trace carried by the substrate.

As to claim 80, referring to figure 3, there is a substrate carrying a first plurality of conductive traces. There is a routing element 12 separate from the substrate and carrying a second plurality of conductive traces positioned at least partially on the substrate. There is a device secured to the substrate. The substrate is at most four conductive layers.

As to claim 81, the second plurality of conductive traces of the routing element provides a more direct electrical route than any conductive trace carried by the substrate.

Claim Objections

1. Claims 29-30, 32-37, 60-67, 70-73, 75-79 and 82-83 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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Allowable Subject Matter

2. Claims 10-21, 23-24 and 84-119 are allowed.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Pershelle Greene whose telephone number is 703-305-3870.

The examiner can normally be reached on M-F 8:30am - 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn can be reached on 703-308-6601. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

PLG
February 8, 2004


NATHAN J. FLYNN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800